

LCD-H20

Loop Powered LCD Indicator for In-head Mounting



LCD-H20



LCD-H20 is a digital indicator for installation directly in a 4-20 mA loop without need for external power. LCD-H20 is designed for in-head mounting in a sensor connection head with glass window.

The indicator is equipped with high-contrast, easy-to-read LCD digits. The scale is easily programmable, without reference signal, by three pushbuttons for any values between -1999 and 9999.

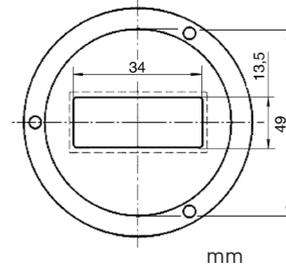
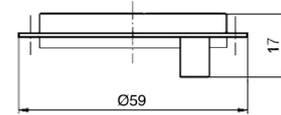
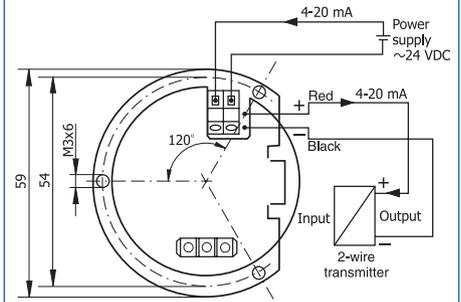
As an option, LCD-H20 can be delivered mounted in a connection head.

- Installation directly in a 4-20 mA loop without need for power supply
- 2.5 V voltage drop
- High-contrast, 4-digit LCD display with 12 mm digits
- Simple pushbutton scaling without reference signal
- Any range between -1999 to 9999 for 4 to 20 mA input
- Labels for different engineering units are included
- Typical accuracy of 0.1 % allows for high precision read-outs
- HART transparent
- Designed for ambient temperatures between -20 to +70 °C / -4 to +158 °F
- Protection IP65 when mounted in connection head Type 1 or Type 2

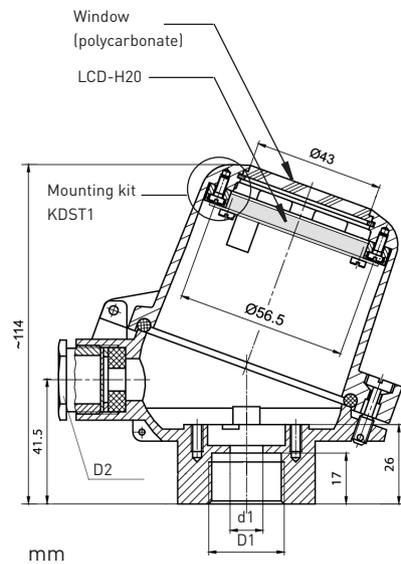
Specifications:

| | |
|------------------------------|--|
| Input Current | 4 - 20 mA |
| Operating range | 3.8 - 22 mA |
| Voltage drop | 2.5 V |
| Indication | |
| Display | Black LCD with 4 digits incl. minus sign |
| Digit Height | 12 mm |
| Indication range | Any range between -1999 to 9999 |
| Decimals | Selectable, 0 to 3 |
| Engineering units | Set of labels included (including blanks) |
| Response time | Adjustable 0.25 s to 2 s |
| Scale setting | 3 pushbuttons |
| Operating temperature | -20 to +70 °C / -4 to +158 °F |
| Typical accuracy | ±0.1 % of programmed span ±1 digit |
| Dimensions | Diameter 59 mm, thickness 20 mm |
| Protection | IP20 (IP65 in connection head) |
| Connection | Stranded, ≤ 1 mm ² , AWG 16 |
| Mounting | Connection head Type 1 or Type 2 with mounting kit KDST1 |

Connections/Dimensions Indicator



Dimensions connection head



| | D1 | d1 | D2 |
|-------------|---------|----|---------|
| Head Type 1 | M24x1.5 | 14 | M20x1.5 |
| Head Type 2 | ½"NPT | 17 | ¾"NPT |

Ordering information

| | |
|---------------------------|--------------|
| LCD-H20 indicator only | 70LCDH2001 |
| LCD-H20 | |
| in connection head Type 1 | 70LCDH2011 |
| in connection head Type 2 | 70LCDH2011US |
| Configuration | 70CAL00001 |